

Size-confined fixed-composition and composition-dependent engineered band gap alloying induces different internal structures in L-cysteine-capped alloyed quaternary CdZnTeS quantum dots

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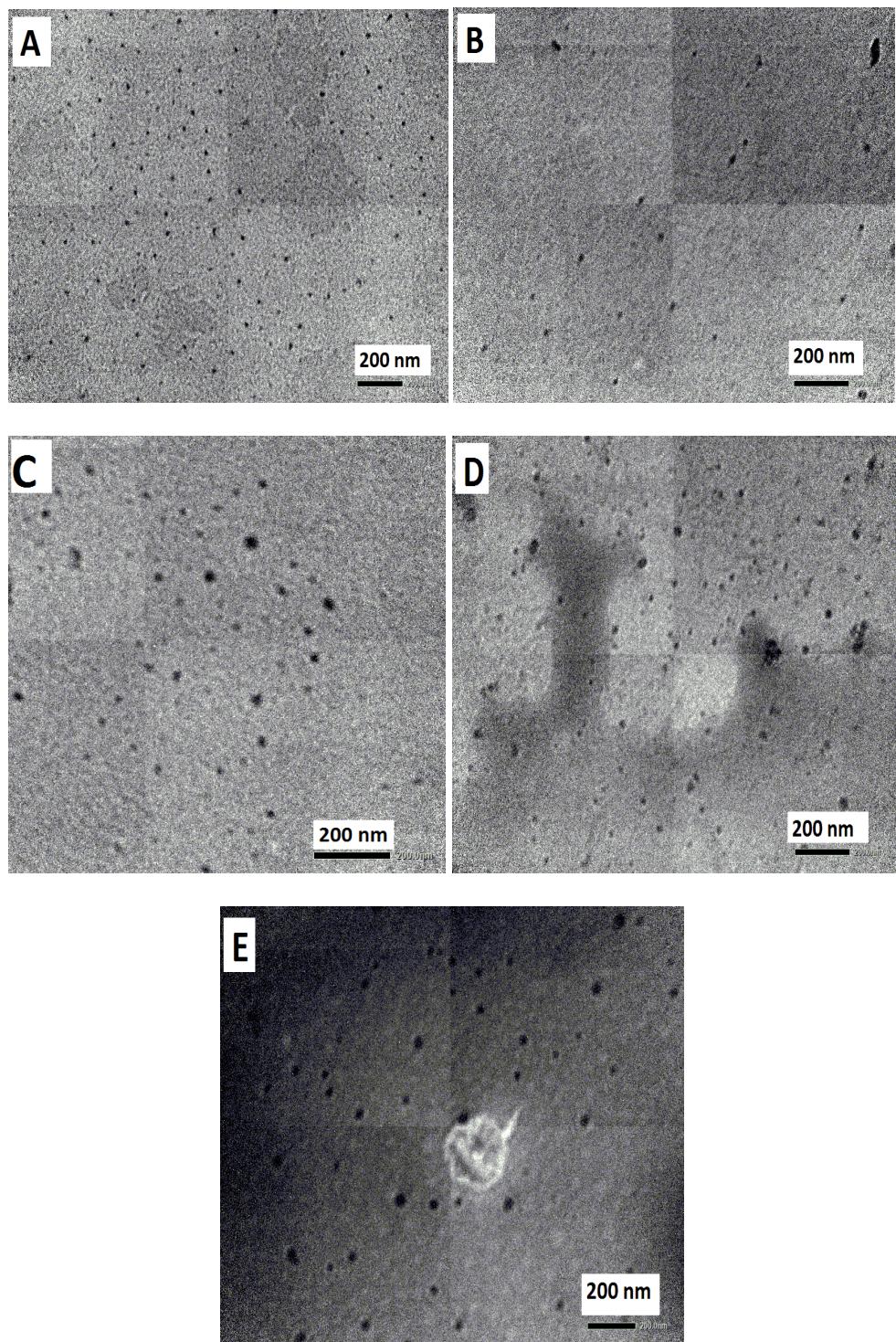


Fig. S-1. TEM images of alloyed L-cysteine (A) CdZnTeS1, (B) CdZnTeS2, (C) CdZnTeS3, (D) CdZnTeS4 and CdZnTeS5 QDs.

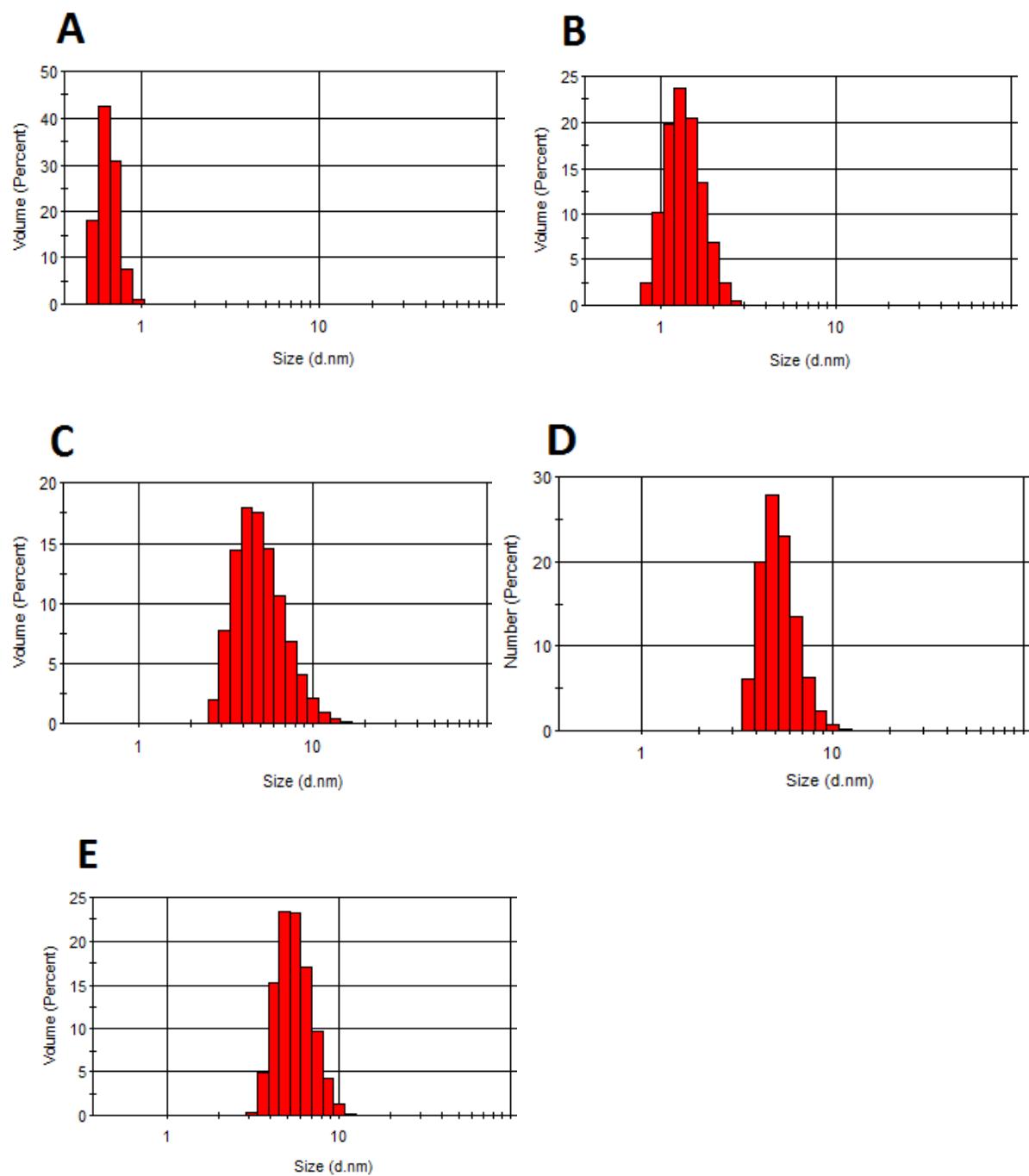


Fig. S-2. DLS hydrodynamic size curves of homogenous alloyed L-cysteine (A) CdZnTeS1, (B) CdZnTeS2, (C) CdZnTeS3, (D) CdZnTeS4 and CdZnTeS5 QDs.

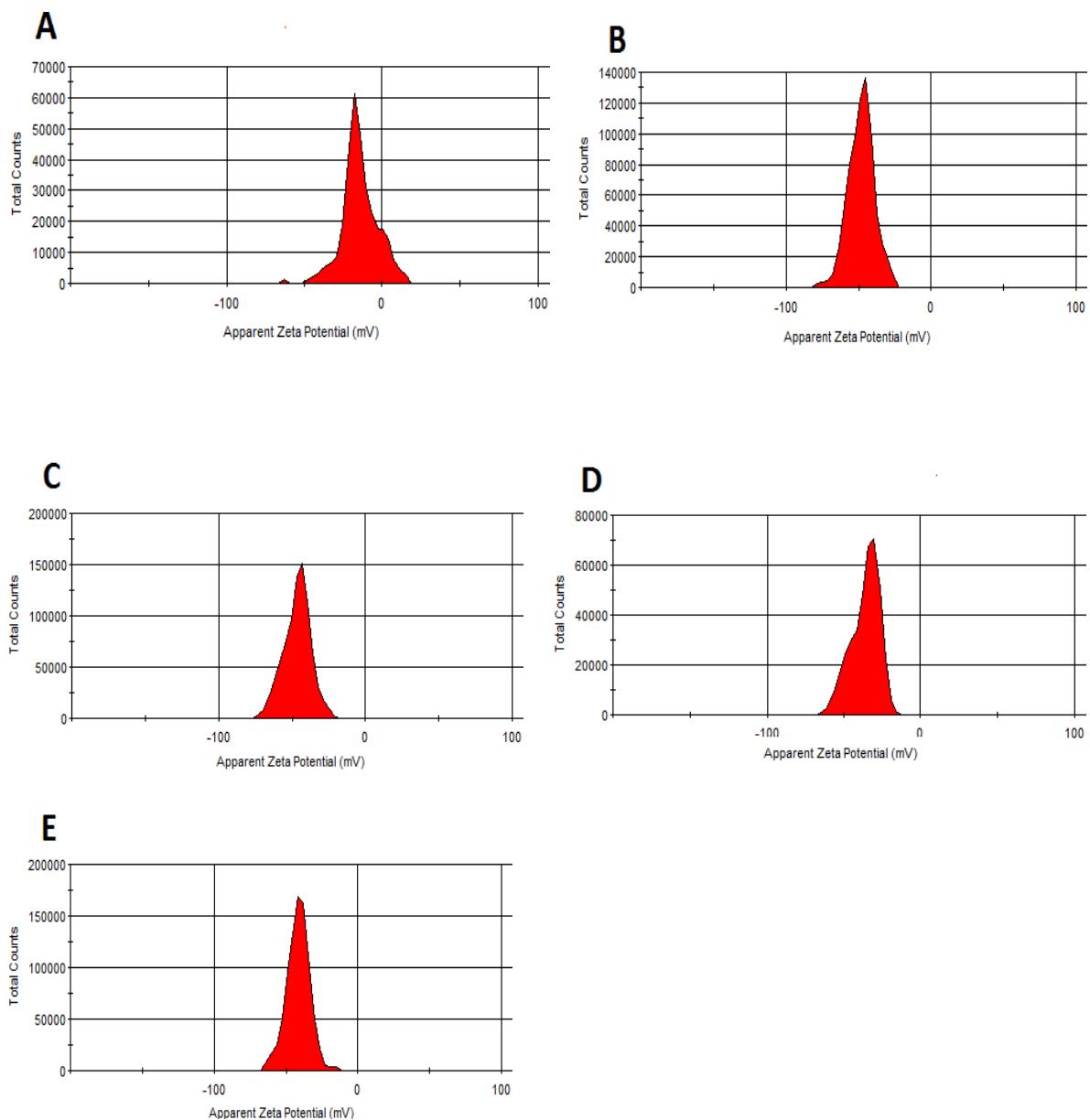


Fig. S-3. Zeta potential curves of homogenous alloyed L-cysteine (A) CdZnTeS1, (B) CdZnTeS2, (C) CdZnTeS3, (D) CdZnTeS4 and CdZnTeS5 QDs.